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(21) International Application Number: PCT/SE00/00411 (22) International Filing Date: 2 March 2000 (02.03.00) (30) Priority Data: 9900869-0 10 March 1999 (10.03.99) SE (71) Applicant (for all designated States except US): VALMET FIBERTECH AB [SE/SE]; S-851 94 Sundsvall (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): FORSLUND, Kjell [SE/SE]; Bruksgårdsvägen 4, S-863 31 Sundsbruk (SE). KRISTRÖM, Klas [SE/SE]; Stänkvägen 13, S-860 30 Sörberge (SE). WIKSTRÖM, Tomas [SE/SE]; Lysekilsvägen 45, S-857 33 Sundsvall (SE). (74) Agent: SUNDQVIST, Hans; Valmet Fibertech AB, S-851 94 Sundsvall (SE).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: SCREENING APPARATUS**(57) Abstract**

A screening apparatus for separating fiber suspensions, preferably pulp suspensions, comprising a screen housing (1), centrally located in the screen housing (1), a stator (8) enclosed in a screen means (7). The screen means is rotary and divides the screen housing (1) into a screen chamber (9) between the screen housing (1) and screen means (7) and an accept chamber (10) between the screen means (7) and stator (8). On the stator (8), wings are located for creating suction pulses. The screening apparatus comprises further inlet (4) for the fiber suspension to the screen chamber (9), reject outlet (6) for reject from the screen chamber (9), and accept outlet (5) for accept from the accept chamber (10). In such a screening apparatus, problems arise by thickening and plugging. The invention solves these problems in that on the stator (8) at least one barrier/pulse element (12) is located which extends in axial direction along the entire stator (8) and is tightly attached to the stator (8) and extends from the stator (8) out to the screen means (7), so that accept substantially is prevented from tangentially passing the barrier/pulse element (12).

